

Claims

1. A method of operating a mobile device, the method comprising:
maintaining a profile of voice user interface capabilities associated with the
5 device;
storing an application having voice user interface features on the device or
on a server in communication with the device;
examining at least part of the profile; and
using voice user interface features of the application which are appropriate
10 to the profile and refraining from using inappropriate features.
2. A method as claimed in claim 1, further comprising prior to the using step:
initialising the application using information included in the profile.
- 15 3. A method as claimed in either preceding claim, in which the maintaining step
includes maintaining information relating to any combination of vocabulary,
dialogue, automatic speech recognition and text-to-speech synthesis capabilities.
4. A method as claimed in any preceding claim, in which the maintaining step
20 includes maintaining information relating to grammar capabilities, for example
whether statistical or context free grammar capabilities are associated with the
device.
5. A method as claimed in claim in any preceding claim, in which the using step
25 includes referring to definitions forming part of the application, and using those
definitions with at least part of the profile to determine which parts of the
application are appropriate to the profile.
6. A mobile device, comprising:
30 a storage device for maintaining a profile of voice user interface capabilities
associated with the device;
a reader for examining at least part of the profile; and

an application runner arranged to run an application using voice user interface features of the application which are appropriate to the profile and to refrain from using inappropriate features.

5 7. A mobile device as claimed in claim 6, comprising an initialiser, arranged to use information included in the profile to initialise the application.

8. A mobile device as claimed in claim 6 or claim 7, in which the profile includes information relating to any combination or vocabulary, dialogue, automatic
10 speech recognition and text-to-speech synthesis capabilities.

9. A mobile device as claimed in any of claims 6 to 8, in which the profile includes information relating to grammar capabilities, for example whether statistical or context free grammar capabilities are associated with the device.
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10. A mobile device as claimed in any of claims 6 to 9, in which the application runner is arranged to refer to definitions forming part of the application, and to compare these definitions with at least part of the profile to determine which parts of the application are appropriate to the profile.
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11. A system comprising:
a mobile device having voice user interface capabilities; and
a server, capable of communicating with the mobile device,
the server being arranged to examine at least part of a profile voice user
25 interface capabilities associated with the mobile device, and to run an application using voice user interface features of the application which are appropriate to the profile and to refrain from using inappropriate features.

12. A system as claimed in claim 11, in which the server comprises an initialiser,
30 arranged to use information included in the profile to initialise the application.

13. A system as claimed in claim 11 or claim 12, in which the profile includes information relating to any combination of vocabulary, dialogue, automatic speech recognition and text-to-speech synthesis capabilities.

5 14. A system as claimed in any of claims 11 to 13, in which the profile includes information relating to grammar capabilities, for example whether statistical or context free grammar capabilities are associated with the device.

10 15. A system as claimed in any of claims 11 to 14, in which the server is arranged to refer to definitions forming part of the application, and to use these definitions with at least part of the profile to determine which parts of the application are appropriate to the profile.

15 16. A method of testing the compatibility of an application with a mobile device, the method comprising:

maintaining a profile of voice user interface capabilities associated with the device;

controlling an emulator to emulate the voice user interface features of the device using at least part of the profile; and

20 running the application on the emulator.

17. Apparatus for testing the compatibility of an application with a mobile device, the apparatus comprising:

25 a reader for reading at least part of a profile of voice user interface capabilities associated with the device; and

an emulator for emulating the voice user interface features of the device using the at least part of the profile, and for running the application.

30 18. Apparatus as claimed in claim 17, in which the profile is stored on the apparatus.